Physica C 165 (1990) 509–518
North-Holland

AUTHOR INDEX TO VOLUME 165

Abdul-Razzaq, W., see J. Zhao 165 (1990) 135
Agarwal, S.K., see A.K. Bandyopadhyay 165 (1990) 29
Alario-Franco, M.A., see U. Amador 165 (1990) 499
Aleksashin, B.A., see Yu.I. Zhdanov 165 (1990) 475
Alvarez, G., K.N.R. Taylor and G.J. Russell, Josephson behaviour of variable thickness bridges in textured $YBa_2Cu_3O_{7-\delta}$ 165 (1990) 258
Amador, U., F. Garcia-Alvarado, E. Morán, M.A. Alario-Franco and J. Rodriguez-Carvajal, A structural study of Ni-substituted $Pb_2Sr_2YCu_3O_{8+\delta}$ 165 (1990) 499
Aubel, J., see L.C. Sengupta 165 (1990) 125
Ayoub, N.Y., J.T. Markert, E.A. Early, C.L. Seaman, L.M. Paulius and M.B. Maple, A comparative compositional study of $Ln_{2-x}M_xCuO_{4-y}$ electron-doped superconductors 165 (1990) 469

Balachandran, U., see P.J. McGinn 165 (1990) 480
Balanchandran, U., M.E. Biznek, G.W. Tomlins, B.W. Veal and R.B. Poeppel, Synthesis of 80 K superconducting $YBa_2Cu_4O_8$ via a novel route 165 (1990) 335
Bando, Y., see Y. Ikeda 165 (1990) 189
Bandyopadhyay, A.K., P. Maruthikumar, G.L. Bhalla, S.K. Agarwal and A.V. Narlikar, Low temperature specific heat of single phase samples of bismuth and thallium based high-T_c cuprates 165 (1990) 29
Batlogg, B., see R.J. Cava 165 (1990) 419
Baughman, R.J., see B. Morosin 165 (1990) 115
Bdikin, I.K., see Yu.A. Ossipyan 165 (1990) 107
Bednarz, G., G. Stroink and M.A. White, A study of the heat capacity of the superconductor $EuBa_2Cu_3O_{7-x}$ 165 (1990) 385
Bhalla, G.L., see A.K. Bandyopadhyay 165 (1990) 29
Biznek, M.E., see U. Balanchandran 165 (1990) 335
Bódi, A.C., J. Csikai, R. Pepelnik, I. Halász, I. Kirschner, Gy. Kovács, T. Porjesz and T. Träger, Non-bulk superconductivity induced by neutron irradiation in multiphase $YBa_2Cu_3O_7$ and $Tl_2Ca_1Ba_2Cu_2O_8$ 165 (1990) 83
Bogdanovitch, A.M., see Yu.I. Zhdanov 165 (1990) 475
Bonvalot, M., see Y.K. Tao 165 (1990) 13
Boothroyd, A.T., S.M. Doyle, D.McK. Paul, D.S. Misra and R. Osborn, Crystal field excitations in $Nd_{2-x}Ce_xCuO_4$ 165 (1990) 17
Bortchagovski, E.G., V.Z. Lozovski, S.A. Shilo and I.A. Yurchenko, The method of molecular luminescent markers on solids in the study of superconducting and structural phase transitions 165 (1990) 308
Bosi, S., see S.L. Town 165 (1990) 298
Brabers, V.A.M., see J.H.P.M. Emmen 165 (1990) 293
Brand, H.R., see M.M. Doria 165 (1990) 457
Bratsberg, H., see Z.J. Yang 165 (1990) 397
Buckley, R.G., see N.E. Flower 165 (1990) 161

Buckley, R.G., J.L. Tallon, D.M. Pooke and M.R. Presland, Calcium-substituted superconducting $RBa_2Cu_4O_8$ with $T_c \sim 90$ K prepared at one atmosphere 165 (1990) 391
Bulka, B.R., Superconducting, flux and antiferromagnetic phase in a 2D extended Hubbard model 165 (1990) 449

Calandra, C., F. Manghi and T. Minerva, Theoretical interpretation of valence band photoemission spectra in $YBa_2Cu_3O_7$ 165 (1990) 461
Cava, R.J., see S. Jin 165 (1990) 415
Cava, R.J., A.W. Hewat, E.A. Hewat, B. Batlogg, M. Marezio, K.M. Rabe, J.J. Krajewski, W.F. Peck Jr. and L.W. Rupp Jr., Structural anomalies, oxygen ordering, and superconductivity in oxygen deficient $Ba_2YCu_3O_x$ 165 (1990) 419
Chalker, P.R., see S. Myhra 165 (1990) 270
Chang, T.C., see J.W. Chen 165 (1990) 287
Chen, C., see X. Su 165 (1990) 8
Chen, C.F., see J.W. Chen 165 (1990) 287
Chen, J.W., C.F. Chen, T.C. Chang and Y.D. Yao, Superconducting and normal state properties of the $Y_{1-x}Cd_xBa_2Cu_3O_{7-\delta}$ system 165 (1990) 287
Chen, L.J., see J.M. Liang 165 (1990) 347
Chen, W., see P.J. McGinn 165 (1990) 480
Chen, Z., see Z. He 165 (1990) 166
Chevrel, R., see C. Rossel 165 (1990) 233
Chien, J.C.W., B.M. Gong, Y.S. Yang, J.M. Madsen, W.M. Tiernan and R.B. Hallock, $YBa_2Cu_3O_{7-x}$ prepared by a polymer–metal–complex precursor process: morphology and superconducting transition properties 165 (1990) 279
Chu, C.W., see Y.K. Tao 165 (1990) 13
Chu, C.W., see Y.Y. Xue 165 (1990) 357
Clayman, B.P., see Q. Song 165 (1990) 328
Cooke, J.F., see R.F. Wood 165 (1990) 97
Crow, J.E., see Y. Gao 165 (1990) 340
Csikai, J., see A.C. Bódi 165 (1990) 83

Date, M., see T. Ishii 165 (1990) 139
Davis, R.L., see S.L. Town 165 (1990) 298
De Jonge, W.J.M., see J.H.P.M. Emmen 165 (1990) 293
De Kruijf, W.J.M., see J.H.P.M. Emmen 165 (1990) 293
De la Cruz, F., see E. Rodríguez 165 (1990) 315
De Leeuw, D.M., see W.A. Groen 165 (1990) 55
De Leeuw, D.M., see R.A.M. van Woerden 165 (1990) 221
De Leeuw, D.M., see W.A. Groen 165 (1990) 305
Doria, M.M. and H.R. Brand, Spatial modulation of the order parameter in the T* phase of ceramic superconductors 165 (1990) 457
Doyle, S.M., see A.T. Boothroyd 165 (1990) 17
Durán, C., see E. Rodríguez 165 (1990) 315

Early, E.A., see N.Y. Ayoub 165 (1990) 469
Edwards, P.P., see R.S. Liu 165 (1990) 111
Emmen, J.H.P.M., W.J.M. De Kruijf, V.A.M. Brabers and W.J.M. De Jonge, Thermal dilatation of (Bi, Pb)CaSrCuO 165 (1990) 293

Endoh, Y., see K. Yamada 165 (1990) 131
Eschrig, H., see K.F. Renk 165 (1990) 1

Fainstein, C., see E. Rodríguez 165 (1990) 315
Fang, M., see Z. He 165 (1990) 166
Fastnacht, R.A., see S. Jin 165 (1990) 415
Feiner, L.F., see W.A. Groen 165 (1990) 55
Felner, I., D. Hechel and U. Yaron, Effect of Zn, Ga and Ni substitution on the superconducting properties of the electron doped system: Nd–Ce–Cu–O 165 (1990) 247
Fert, A., see S. Senoussi 165 (1990) 364
Flower, N.E., M.R. Presland, P. Gilberd and R.G. Buckley, Effects of Pb substitution on the structure of $n=1$ bismuth superconductor BiPbCaSrCuO 165 (1990) 161
Fondere, J.P., see S. Senoussi 165 (1990) 199
Fontcuberta, J., see S. Piñol 165 (1990) 265
Fuke, H., see T. Ishii 165 (1990) 139
Furuno, S., see D. Shindo 165 (1990) 321

Gallagher, P.K., see S. Jin 165 (1990) 415
Gao, L., see Y.Y. Xue 165 (1990) 357
Gao, Y., J.E. Crow, G.H. Myer, P. Schlottmann, J. Schwegler and N.D. Spencer, Specific heat and magnetic susceptibility of the high-T_c superconductor (Bi, Pb, Sb)$_2$Sr$_2$Ca$_2$Cu$_3$O$_{10}$ 165 (1990) 340
Garcia-Alvarado, F., see U. Amador 165 (1990) 499
Geelen, G.P.J., see W.A. Groen 165 (1990) 305
Geerk, J., see J. Remmel 165 (1990) 212
Gerdanian, P., see C. Picard 165 (1990) 44
Gerhaüser, W., see M. Klauda 165 (1990) 251
Gilberd, P., see N.E. Flower 165 (1990) 161
Ginley, D.S., see B. Morosin 165 (1990) 115
Gippius, A.A., see V. Moshchalkov 165 (1990) 62
Gledel, C., J.-F. Marucco and B. Touzelin, Thermodynamics study of $Y_{1-x}Ca_xBa_2Cu_3O_z$ 165 (1990) 437
Gong, B.M., see J.C.W. Chien 165 (1990) 279
Greenblatt, M., see K.V. Ramanujachary 165 (1990) 377
Groen, W.A., D.M. de Leeuw and L.F. Feiner, Hole concentration and T_c in $Bi_2Sr_2CaCu_2O_{8+\delta}$ 165 (1990) 55
Groen, W.A., D.M. De Leeuw and G.P.J. Geelen, Hole concentration and T_c in $Bi_2Sr_2CuO_{6+\delta}$ 165 (1990) 305
Gromov, A.M., see Yu.A. Ossipyan 165 (1990) 107
Gumber, P.K., see S.P. Tewari 165 (1990) 325
Gygax, S., see Q. Song 165 (1990) 328

Hadjoudj, S., see S. Senoussi 165 (1990) 199
Hadjoudj, S., see S. Senoussi 165 (1990) 364
Halász, I., see A.C. Bódi 165 (1990) 83
Hallock, R.B., see J.C.W. Chien 165 (1990) 279
Hayano, U., see Y. Kuwasawa 165 (1990) 173
He, Z., H. Zhang, J. Xia, S. Wang, M. Fang, Z. Chen, Y. Qian and Q. Zhang, The carrier character in single phase $YBa_2Cu_{3-x}Sn_xO_{7+\delta}$ 165 (1990) 166

Hechel, D., see I. Felner 165 (1990) 247
Heimann, J., see E. Talik 165 (1990) 434
Helgesen, G., see Z.J. Yang 165 (1990) 397
Hentsch, F., N. Winzek, M. Mehring, Hj. Mattausch, A. Simon and R. Kremer, ^{205}Tl nuclear spin lattice relaxation in the one layer ($Tl_2Ba_2CuO_6$), two layer ($Tl_2CaBa_2Cu_2O_8$) and three layer ($Tl_2Ca_2Ba_2CuO_{10}$) high-T_c superconductors 165 (1990) 485
Hewat, A.W., see R.J. Cava 165 (1990) 419
Hewat, E.A., see R.J. Cava 165 (1990) 419
Hiraga, K., see D. Shindo 165 (1990) 321
Hiroi, Z., see Y. Ikeda 165 (1990) 189
Hirsch, J.E., see F. Marsiglio 165 (1990) 71
Hofmann, U., see K.F. Renk 165 (1990) 1
Hojou, K., see D. Shindo 165 (1990) 321
Hor, P.H., see Y.K. Tao 165 (1990) 13
Hor, P.H., see Y.Y. Xue 165 (1990) 357
Huang, Y.T., see J.M. Liang 165 (1990) 347
Huang, Z.J., see Y.Y. Xue 165 (1990) 357
Hunter, B.A., see S.L. Town 165 (1990) 298

Ikeda, Y., Z. Hiroi, H. Ito, S. Shimomura, M. Takano and Y. Bando, Bi, Pb–Sr–Cu–O system including a modulation-free superconductor 165 (1990) 189
Ikemachi, T., see T. Kawano 165 (1990) 67
Ikemachi, T., see T. Kawano 165 (1990) 143
Ishii, T., T. Yamada, K. Sugiyama, H. Fuke and M. Date, The origin of Curie–Weiss susceptibility in $Ba_2YCu_3O_y$ 165 (1990) 139
Ito, H., see Y. Ikeda 165 (1990) 189

Jin, S., H.M. O'Bryan, P.K. Gallagher, T.H. Tiefel, R.J. Cava, R.A. Fastnacht and G.W. Kammlott, Synthesis and properties of the $YBa_2Cu_4O_8$ superconductor 165 (1990) 415
Johansen, T.H., see Z.J. Yang 165 (1990) 397
Joiner, W.C.H., see L.C. Sengupta 165 (1990) 125

Kakurai, K., see K. Yamada 165 (1990) 131
Kambe, S., T. Matsuoka, M. Kawai, T. Kawai and M. Takahasi, Superconductive property of $Bi_{2-2x}Pb_{2x}Sr_2Ca_{n-1}Cu_nO_y$ 165 (1990) 25
Kammlott, G.W., see S. Jin 165 (1990) 415
Karbanov, S., see K. Konstantinov 165 (1990) 170
Kato, K., see E. Takayama-Muromachi 165 (1990) 147
Katsuyama, S., Y. Ueda and K. Kosuge, Iron configuration and superconducting properties of $YBa_2(Cu_{1-x}Fe_x)_3O_y$ prepared by various thermal treatments 165 (1990) 404
Kawai, M., see S. Kambe 165 (1990) 25
Kawai, T., see S. Kambe 165 (1990) 25
Kawano, T., F. Munakata, A. Nozaki, T. Ikemachi, H. Yamauchi and S. Tanaka, Superconductivity in the Bi–Ln–Ca–Cu–O systems (Ln=Pr and Nd) 165 (1990) 67
Kawano, T., F. Munakata, T. Ikemachi, A. Nozaki, H. Yamauchi and S. Tanaka, Superconducting properties of $Bi_2(La_xLn_{1-x})_yCa_{3-y}Cu_2O_z$ (Ln=Y, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er and Tm) 165 (1990) 143

Keller, J., see K.F. Renk 165 (1990) 1
Kes, P.H., see A. Pruijmboom 165 (1990) 179
Kheifets, A.S. and A.I. Veinger, Low-field microwave absorption and quantum oscillations in type-I superconductors 165 (1990) 491
Kikuchi, M., see D. Shindo 165 (1990) 321
Kirschner, I., see A.C. Bódi 165 (1990) 83
Klauda, M., J.P. Ströbel, M. Lippert, G. Saemann-Ischenko, W. Gerhaüser and H.-W. Neumüller, Magnetic properties of $Ln_{2-x}Ce_xCuO_{4-\delta}$ (Ln=Nd, Pr, Sm) in the superconducting and normal-conducting state 165 (1990) 251
Konstantinov, K. and S. Karbanov, Superconductivity in the Bi–Cd–Sr–Ca–Cu oxide system 165 (1990) 170
Kosmyna, M.B., see A.I. Smirnov 165 (1990) 77
Kosuge, K., see S. Katsuyama 165 (1990) 404
Kovács, Gy., see A.C. Bódi 165 (1990) 83
Krajewski, J.J., see R.J. Cava 165 (1990) 419
Kremer, R., see F. Hentsch 165 (1990) 485
Kulakov, V.I., see Yu.A. Ossipyan 165 (1990) 107
Kumar, N., see C.N.R. Rao 165 (1990) 183
Kuwasawa, Y., U. Hayano, T. Tosaka, S. Nakano and S. Matuda, Observation of anomalous transition in the upper critical fields of $Nb/Nb_{0.5}Zr_{0.5}$ multilayers 165 (1990) 173

Lanagan, M.T., see P.J. McGinn 165 (1990) 480
Li, S., see K.V. Ramanujachary 165 (1990) 377
Liang, J.M., R.S. Liu, Y.T. Huang, S.F. Wu, P.T. Wu and L.J. Chen, Superconductivity with $T_{c(zero)}$ above 105 K in Tl-containing septenary oxides with $Y_1Ba_2Cu_3O_y$-like structure 165 (1990) 347
Linker, G., see J. Remmel 165 (1990) 212
Lippert, M., see M. Klauda 165 (1990) 251
Liu, R.S., P.T. Wu, S.F. Wu, W.N. Wang and P.P. Edwards, First example of indium as a practical alternative to thallium in high-T_c superconductors 165 (1990) 111
Liu, R.S., see J.M. Liang 165 (1990) 347
Logvenov, G.Yu., see Yu.A. Ossipyan 165 (1990) 107
Lozovski, V.Z., see E.G. Bortchagovski 165 (1990) 308
Luzuriaga, J., see E. Rodríguez 165 (1990) 315

Madsen, J.M., see J.C.W. Chien 165 (1990) 279
Maeda, A., see I. Terasaki 165 (1990) 152
Manghi, F., see C. Calandra 165 (1990) 461
Maple, M.B., see N.Y. Ayoub 165 (1990) 469
Marezio, M., see R.J. Cava 165 (1990) 419
Markert, J.T., see N.Y. Ayoub 165 (1990) 469
Marsiglio, F. and J.E. Hirsch, Superconductivity in oxides: from strong to weak coupling 165 (1990) 71
Marucco, J.-F., see C. Gledel 165 (1990) 437
Marucco, J.F. and B. Poumellec, Interpretation of the thermopower measurements of $YBa_2Cu_3O_x$ with $6<x<7$ and $400°C$ $T<900°C$ 165 (1990) 205
Maruthikumar, P., see A.K. Bandyopadhyay 165 (1990) 29
Matsuoka, T., see S. Kambe 165 (1990) 25
Mattausch, Hj., see F. Hentsch 165 (1990) 485

Matthews, D.N., G.J. Russell and K.N.R. Taylor, Inhomogeneities in a textured surface of $YBa_2Cu_3O_{7-\delta}$ 165 (1990) 227
Matuda, S., see Y. Kuwasawa 165 (1990) 173
Maury, R., see S. Senoussi 165 (1990) 364
McGinn, P.J., W. Chen, N. Zhu, U. Balachandran and M.T. Lanagan, Texture processing of extruded $YBa_2Cu_3O_{6+x}$ wires by zone melting 165 (1990) 480
Mehring, M., see F. Hentsch 165 (1990) 485
Meng, R.L., see Y.K. Tao 165 (1990) 13
Meng, R.L., see Y.Y. Xue 165 (1990) 357
Meyer, O., see J. Remmel 165 (1990) 212
Michalev, K.N., see Yu.I. Zhdanov 165 (1990) 475
Minerva, T., see C. Calandra 165 (1990) 461
Miravitlles, C., see S. Piñol 165 (1990) 265
Miroshnichenko, V.A., see A.I. Smirnov 165 (1990) 77
Misra, D.S., see A.T. Boothroyd 165 (1990) 17
Miura, S., T. Yoshitake, N. Shohata and T. Satoh, Dependence of structural and superconducting properties of as-grown $Bi_2Sr_2Ca_1Cu_2O_x$ films on low temperature annealing 165 (1990) 241
Morán, E., see U. Amador 165 (1990) 499
Morosin, B., R.J. Baughman, D.S. Ginley, J.E. Schirber and E.L. Venturini, Structure studies on Tl–Ca–Ba–Cu–O high-T_c superconductors: effects of cation disorder and oxygen vacancies 165 (1990) 115
Moseley, P.T., see S. Myhra 165 (1990) 270
Moshchalkov, V., A.A. Gippius, A.A. Zhukov, H.H. Nyan, V.I. Voronkova and V.K. Yanovskii, The relaxation of the monodomain $TmBa_2Cu_3O_x$ single crystal magnetization in the superconducting state 165 (1990) 62
Mostoller, M., see R.F. Wood 165 (1990) 97
Munakata, F., see T. Kawano 165 (1990) 67
Munakata, F., see T. Kawano 165 (1990) 143
Myer, G.H., see Y. Gao 165 (1990) 340
Myhra, S., P.R. Chalker, P.T. Moseley and J.C. Riviere, Surface alteration of $LnBa_2Cu_3O_{7-x}$ following exposure to moisture, O_2 and CO_2 165 (1990) 270

Nakahashi, T., see I. Terasaki 165 (1990) 152
Nakajima, S., see D. Shindo 165 (1990) 321
Nakano, S., see Y. Kuwasawa 165 (1990) 173
Narlikar, A.V., see A.K. Bandyopadhyay 165 (1990) 29
Neumüller, H.-W., see M. Klauda 165 (1990) 251
Nozaki, A., see T. Kawano 165 (1990) 67
Nozaki, A., see T. Kawano 165 (1990) 143
Nyan, H.H., see V. Moshchalkov 165 (1990) 62

O'Bryan, H.M., see S. Jin 165 (1990) 415
Okulova, K.A., see Yu.I. Zhdanov 165 (1990) 475
Osborn, R., see A.T. Boothroyd 165 (1990) 17
Ose, W., see K.F. Renk 165 (1990) 1
Ossipyan, Yu.A., O.V. Zharikov, G.Yu. Logvenov, N.S. Sidorov, V.I. Kulakov, I.M. Shmytko, I.K. Bdikin and A.M. Gromov, Superconductivity and structure of $YBa_2Cu_3O_6$ single crystals treated in halogen vapours 165 (1990) 107

Otsu, H., see D. Shindo	165 (1990) 321
Ould-Die, M., see C. Picard	165 (1990) 44
Paul, D.McK., see A.T. Boothroyd	165 (1990) 17
Paul, D.McK., see S. Piñol	165 (1990) 265
Paulius, L.M., see N.Y. Ayoub	165 (1990) 469
Peck Jr., W.F., see R.J. Cava	165 (1990) 419
Pepelnik, R., see A.C. Bódi	165 (1990) 83
Picard, C., P. Gerdanian and M. Ould-Die, Transport properties of $YBa_2Cu_3O_z$ at high temperature	165 (1990) 44
Piñol, S., J. Fontcuberta, C. Miravitlles and D.McK. Paul, Crystal growth and phase diagrams for thé Nd_2O_3–CeO_2–CuO system	165 (1990) 265
Poeppel, R.B., see U. Balanchandran	165 (1990) 335
Pooke, D.M., see R.G. Buckley	165 (1990) 391
Porjesz, T., see A.C. Bódi	165 (1990) 83
Potel, M., see C. Rossel	165 (1990) 233
Poumellec, B., see J.F. Marucco	165 (1990) 205
Presland, M.R., see N.E. Flower	165 (1990) 161
Presland, M.R., see R.G. Buckley	165 (1990) 391
Pruijmboom, A., E. van der Drift and P.H. Kes, Flux-flow resistivity in an artificial pinning structure	165 (1990) 179
Qian, Y., see Z. He	165 (1990) 166
Rabe, K.M., see R.J. Cava	165 (1990) 419
Ramakrishnan, T.V., see C.N.R. Rao	165 (1990) 183
Ramanujachary, K.V., S. Li and M. Greenblatt, The relationship of oxygen content, structural phase transition and T_c in $Tl_2Ba_2CuO_{6\pm\delta}$	165 (1990) 377
Rao, C.N.R., T.V. Ramakrishnan and N. Kumar, Systematics in the thermopower behaviour of several series of bismuth and thallium cuprate superconductors. An interpretation of the temperature variation and the sign of the thermopower	165 (1990) 183
Remmel, J., J. Geerk, G. Linker, O. Meyer, R. Smithey, B. Strehlau and G.C. Xiong, Superconductivity and structure of ion irradiated LaSrCuO thin films	165 (1990) 212
Renk, K.F., H. Eschrig, U. Hofmann, J. Keller, J. Schützmann and W. Ose, Dynamical conductivity of high-T_c superconductors	165 (1990) 1
Riviere, J.C., see S. Myhra	165 (1990) 270
Rodríguez, E., C. Durán, J. Luzuriaga, F. de la Cruz and C. Fainstein, Anomalous behaviour of the vortex structure in $Bi_4Ca_2Sr_4Cu_4O_{16+y}$ measured with a vibrating reed at low magnetic fields	165 (1990) 315
Rodriguez-Carvajal, J., see U. Amador	165 (1990) 499
Rossel, C., E. Sandvold, M. Sergent, R. Chevrel and M. Potel, Magnetic relaxation effects in $PbMo_6S_8$ superconducting single crystals: a comparison with high-T_c superconductors	165 (1990) 233
Roughani, B., see L.C. Sengupta	165 (1990) 125
Rupp Jr., L.W., see R.J. Cava	165 (1990) 419
Russell, G.J., see D.N. Matthews	165 (1990) 227
Russell, G.J., see G. Alvarez	165 (1990) 258

Saemann-Ischenko, G., see M. Klauda 165 (1990) 251
Sandvold, E., see C. Rossel 165 (1990) 233
Satoh, T., see S. Miura 165 (1990) 241
Savvides, N., Flux creep and transport critical current density in high-T_c superconductors 165 (1990) 371
Schirber, J.E., see B. Morosin 165 (1990) 115
Schlottmann, P., see Y. Gao 165 (1990) 340
Schützmann, J., see K.F. Renk 165 (1990) 1
Schwegler, J., see Y. Gao 165 (1990) 340
Seaman, C.L., see N.Y. Ayoub 165 (1990) 469
Seehra, M.S., see J. Zhao 165 (1990) 135
Sengupta, L.C., B. Roughani, J. Aubel, S. Sundaram and W.C.H. Joiner, Effect of substitutional doping on phonon spectra of $YBa_2(Cu_{1-x}Co_x)_3O_{7-\delta}$ 165 (1990) 125
Senoussi, S., S. Hadjoudj, R. Maury and A. Fert, Demagnetizing fields and other shape effects in high-T_c ceramics 165 (1990) 199
Senoussi, S., S. Hadjoudj, R. Maury and A. Fert, Demagnetizing fields and other shape effects in high-T_c ceramics 165 (1990) 364
Sergent, M., see C. Rossel 165 (1990) 233
Serikov, V.V., see Yu.I. Zhdanov 165 (1990) 475
Shen, J., see X. Su 165 (1990) 8
Shilo, S.A., see E.G. Bortchagovski 165 (1990) 308
Shimomura, S., see Y. Ikeda 165 (1990) 189
Shindo, D., K. Hiraga, S. Nakajima, M. Kikuchi, Y. Syono, K. Hojou, T. Soga, S. Furuno and H. Otsu, Oxygen K-edge fine structure of $Tl_2Ba_2Ca_{n-1}Cu_nO_{2n+4}$ studied by electron energy loss spectroscopy 165 (1990) 321
Shmytko, I.M., see Yu.A. Ossipyan 165 (1990) 107
Shohata, N., see S. Miura 165 (1990) 241
Sidorov, N.S., see Yu.A. Ossipyan 165 (1990) 107
Simon, A., see F. Hentsch 165 (1990) 485
Skjeltorp, A.T., see Z.J. Yang 165 (1990) 397
Smirnov, A.I., V.A. Miroshnichenko and M.B. Kosmyna, Microwave properties of the dielectric La_2CuO_4 165 (1990) 77
Smithey, R., see J. Remmel 165 (1990) 212
Soga, T., see D. Shindo 165 (1990) 321
Song, Q., B.P. Clayman and S. Gygax, Composition dependence of the far-infrared response of the superconducting alloys $YBa_2(Cu_{1-x}Zn_x)_3O_{7-\delta}$ 165 (1990) 328
Spencer, N.D., see Y. Gao 165 (1990) 340
Strehlau, B., see J. Remmel 165 (1990) 212
Ströbel, J.P., see M. Klauda 165 (1990) 251
Stroink, G., see G. Bednarz 165 (1990) 385
Su, X., J. Shen, L. Zhang and C. Chen, A possible model for the nuclear spin–lattice relaxation in superconducting $YBa_2Cu_3O_{7-\delta}$ 165 (1990) 8
Sugiyama, K., see T. Ishii 165 (1990) 139
Sun, Y.Y., see Y.K. Tao 165 (1990) 13
Sun, Y.Y., see Y.Y. Xue 165 (1990) 357
Sundaram, S., see L.C. Sengupta 165 (1990) 125
Syono, Y., see D. Shindo 165 (1990) 321
Szade, J., see E. Talik 165 (1990) 434

Takács, S., Localized more-particle excitations in two- and one-dimensional fermion systems of high-T_c superconductors 165 (1990) 91
Takahasi, M., see S. Kambe 165 (1990) 25
Takano, M., see Y. Ikeda 165 (1990) 189
Takayama-Muromachi, E., Y. Uchida and K. Kato, Electron-doped system (La, Nd, Ce)$_2$CuO$_4$ and preparation of T′-type (La, Ln)CuO$_4$ (Ln=Ce, Y) 165 (1990) 147
Takebayashi, S., see I. Terasaki 165 (1990) 152
Talik, E., J. Szade and J. Heimann, T_c enhancement in Y–Ba–Cu–O by titanium addition 165 (1990) 434
Tallon, J.L., see R.G. Buckley 165 (1990) 391
Tanaka, S., see T. Kawano 165 (1990) 67
Tanaka, S., see T. Kawano 165 (1990) 143
Tao, Y.K., M. Bonvalot, Y.Y. Sun, R.L. Meng, P.H. Hor and C.W. Chu, The effect of La substitution in superconducting and related (La,Ln,Ce)$_2$CuO$_4$ (Ln=Nd and Gd) compounds 165 (1990) 13
Tao, Y.K., see Y.Y. Xue 165 (1990) 357
Taylor, K.N.R., see D.N. Matthews 165 (1990) 227
Taylor, K.N.R., see G. Alvarez 165 (1990) 258
Taylor, K.N.R., see S.L. Town 165 (1990) 298
Terasaki, I., T. Nakahashi, S. Takebayashi, A. Maeda and K. Uchinokura, The optical study of the doping effect in single-crystal Bi$_2$Sr$_2$(Ca, A)Cu$_2$O$_{8+x}$ (A=Y or Nd) 165 (1990) 152
Tewari, S.P. and P.K. Gumber, Effect of crystal anisotropy on superconductivity in zinc 165 (1990) 325
Tiefel, T.H., see S. Jin 165 (1990) 415
Tiernan, W.M., see J.C.W. Chien 165 (1990) 279
Tomlins, G.W., see U. Balanchandran 165 (1990) 335
Tosaka, T., see Y. Kuwasawa 165 (1990) 173
Touzelin, B., see C. Gledel 165 (1990) 437
Town, S.L., B.A. Hunter, S. Bosi, R.L. Davis and K.N.R. Taylor, Characterisation of large single crystals of YBa$_2$Cu$_3$O$_{7-\delta}$ using neutron scattering 165 (1990) 298
Träger, T., see A.C. Bódi 165 (1990) 83

Uchida, Y., see E. Takayama-Muromachi 165 (1990) 147
Uchinokura, K., see I. Terasaki 165 (1990) 152
Ueda, Y., see S. Katsuyama 165 (1990) 404

Van der Drift, E., see A. Pruijmboom 165 (1990) 179
Van der Marel, D., Anomalous behaviour of the chemical potential in superconductors with a low density of charge carriers 165 (1990) 35
Van Woerden, R.A.M. and D.M. de Leeuw, Transport properties and hole distribution of Nd(Ba$_{1-x}$Nd$_x$)$_2$Cu$_3$O$_{7+\delta}$ 165 (1990) 221
Veal, B.W., see U. Balanchandran 165 (1990) 335
Veinger, A.I., see A.S. Kheifets 165 (1990) 491
Venturini, E.L., see B. Morosin 165 (1990) 115
Verkhovskii, S.V., see Yu.I. Zhdanov 165 (1990) 475
Voronkova, V.I., see V. Moshchalkov 165 (1990) 62

Wang, S., see Z. He 165 (1990) 166
Wang, W.N., see R.S. Liu 165 (1990) 111

Weyl, C., see S. Senoussi 165 (1990) 199
Wheatley, J., Classical holons 165 (1990) 444
White, M.A., see G. Bednarz 165 (1990) 385
Winzek, N., see F. Hentsch 165 (1990) 485
Wood, R.F., M. Mostoller and J.F. Cooke, A spin polaron model of high-T_c superconductivity 165 (1990) 97
Wu, M., see J. Zhao 165 (1990) 135
Wu, P.T., see R.S. Liu 165 (1990) 111
Wu, P.T., see J.M. Liang 165 (1990) 347
Wu, S.F., see R.S. Liu 165 (1990) 111
Wu, S.F., see J.M. Liang 165 (1990) 347

Xia, J., see Z. He 165 (1990) 166
Xiong, G.C., see J. Remmel 165 (1990) 212
Xue, Y.Y., P.H. Hor, R.L. Meng, Y.K. Tao, Y.Y. Sun, Z.J. Huang, L. Gao and C.W. Chu, Structural stability and doping in R_2CuO_4 (R=rare-earth) 165 (1990) 357

Yamada, K., K. Kakurai and Y. Endoh, The spin structure of Nd_2CuO_4 (Comment on S. Skanthakumar et al., Physica C 160 (1989) 124) 165 (1990) 131
Yamada, T., see T. Ishii 165 (1990) 139
Yamauchi, H., see T. Kawano 165 (1990) 67
Yamauchi, H., see T. Kawano 165 (1990) 143
Yang, Y.S., see J.C.W. Chien 165 (1990) 279
Yang, Z.J., T.H. Johansen, H. Bratsberg, G. Helgesen and A.T. Skjeltorp, Investigation of the interaction between a magnet and a type-II superconductor by vibration methods 165 (1990) 397
Yanovskii, V.K., see V. Moshchalkov 165 (1990) 62
Yao, Y.D., see J.W. Chen 165 (1990) 287
Yaron, U., see I. Felner 165 (1990) 247
Yoshitake, T., see S. Miura 165 (1990) 241
Yurchenko, I.A., see E.G. Bortchagovski 165 (1990) 308

Zhang, H., see Z. He 165 (1990) 166
Zhang, L., see X. Su 165 (1990) 8
Zhang, Q., see Z. He 165 (1990) 166
Zhao, J., M. Wu, W. Abdul-Razzaq and M.S. Seehra, Interrelationship between the transition temperatures of the (2223) and (2212) phases of Bi-based superconductors 165 (1990) 135
Zharikov, O.V., see Yu.A. Ossipyan 165 (1990) 107
Zhdanov, Yu.I., B.A. Aleksashin, A.M. Bogdanovitch, S.V. Verkhovskii, K.N. Michalev, K.A. Okulova and V.V. Serikov, NQR and spin-lattice relaxation of ^{63}Cu in radiation disordered $YBa_2Cu_3O_{6.95}$ 165 (1990) 475
Zhu, N., see P.J. McGinn 165 (1990) 480
Zhukov, A.A., see V. Moshchalkov 165 (1990) 62

Physica C 165 (1990) 519–521
North-Holland

ANALYTIC SUBJECT INDEX TO VOLUME 165

Anderson model 371
Angle resolved photoemission 461
Antiferromagnetic order 449
– in La_2CuO_4 77
– in Nd_2CuO_4 131
– in $Nd_{2-x}Ce_xCuO_4$ 17

Band structure
– for CuO_2 plane 97
– of $YBa_2Cu_3O_7$ 461
BCS model
– validity in Bi compounds 340

Chemical potential 35
Chevrel phase 233
Coherence length
– theory 71
Critical current density 371
– in $YBa_2Cu_3O_{6+\delta}$ 480
– in $YBa_2Cu_3O_7$ 199
– in $YBa_2Cu_4O_8$ 415
Crystal field
– in $Ln_{2-x}Ce_xCuO_{4-\delta}$ 251
– in $Nd_{2-x}Ce_xCuO_4$ 17
Cu–O chains 205, 221
– in $YBa_2Cu_3O_{6.34}$ 139
Cu–O planes 1, 221, 457, 499
– band structure 97
– in Bi compounds 55
– in $Tl_2Ba_2CuO_{6\pm\delta}$ 377
– in $YBa_2Cu_3O_x$ 419
Cystral field

Dynamical conductivity
– theory 1

EELS
– in $Tl_2Ba_2Ca_{n-1}Cu_nO_{2n+4}$ 321
Electrical resistivity
– of $Tl_2Ba_2CuO_{6\pm\delta}$ 377
– of $YBa_2Cu_3O_x$ 44
Electron diffraction structure
– of Bi compounds 161
Electron-doped superconductors 147, 357, 469
Electronic structure
– of $YBa_2Cu_3O_7$ 461
Electron superconductivity
– in $Tl_{1-x}Pb_xCaSr_2Cu_2O_{6+\delta}$ 183

Eliashberg equations 325
Energy gap 91
– theory 71
– vs Fermi energy 35
ESR
– in La_2CuO_4 77

Far-infrared spectra
– of $YBa_2(Cu_{1-x}Zn_x)_3O_{7-\delta}$ 328
Flux creep 233, 371
– in $TmBa_2Cu_3O_x$ 62
Flux lattice 315
Flux-line dynamics 397
Flux pinning 179, 397
– in $Bi_4Ca_2Sr_4Cu_4O_{16+y}$ 315

Ginzburg–Landau theory
– anistropy 251
Grain alignment (texturing)
– in $YBa_2Cu_3O_{6+\delta}$ 480
– in $YBa_2Cu_3O_{7-\delta}$ 227, 258
Granular superconductivity 83, 258, 364
– in $Y_{1-x}Cd_xBa_2Cu_3O_{7-\delta}$ 287
– in $YBa_2Cu_3O_{7-\delta}$ 279

Hall coefficient (carrier character) 166
Hall effect
– in $Nd(Ba_{1-x}Nd_x)_2Cu_3O_{7+\delta}$ 221
– in $YBa_2Cu_{3-x}Sn_xO_{7-\delta}$ 166
High temperature X-ray diffraction 437
Hole concentration
– effect on coupling 71
Hole concentration, effect on T_c
– of Bi compounds 25, 55
– of $Bi_2Sr_2CuO_{6+\delta}$ 305
– of $Tl_2Ba_2CuO_6$ 321
Holons 444
Hubbard Hamiltonian 449

Infrared conductivity
– of $YBa_2Cu_3O_{7-\delta}$ 1
Infrared spectroscopy
– of Bi compounds 152
– of $YBa_2(Cu_{1-x}Co_x)_3O_{7-\delta}$ 125
Interlayer pairing 1, 457
Ionic radius 143
Irradiation effect
– on $YBa_2Cu_3O_{6.95}$ 475
– on LaSrCuO thin films 212
– on $Tl_2CaBa_2Cu_2O_8$ 83
– on $YBa_2Cu_3O_7$ 83
Irreversibility 233

Josephson effect 258

Lattice dynamics
– anisotropic crystals 325
Layered superconductors 457
Localized excitations 91
Lower critical field H_{c1}
– of $Ln_{2-x}Ce_xCuO_{4-\delta}$ 251
– of $YBa_2Cu_3O_7$ 199
Luminescent markers 308

Magnetic susceptibility
– of $Bi_2CaSr_2Cu_2O_x$ 29
– of $Bi_{2-2x}Pb_{2x}Sr_2Ca_{n-1}Cu_nO_y$ 25
– of $(Bi,Pb,Sb)_2Sr_2Ca_2Cu_3O_{10}$ 340
– of doped $Nd_{1.85}Ce_{0.15}CuO_{4-\delta}$ 247
– of textured $YBa_2Cu_3O_{7-\delta}$ 227
– of $Tl_2Ca_2Ba_2Cu_3O_x$ 29
– of $YBa_2(Cu_{1-x}Ti_x)_3O_{7-\delta}$ 434
– of $YBa_2Cu_3O_{6+\delta}$ 480
– of $YBa_2Cu_{3-x}Sn_xO_{7-\delta}$ 166
– of $YBa_2Cu_4O_8$ 415
Magnetic susceptibility, AC
– of (Bi,Pb)CaSrCuO 293
Magnetization
– of $EuBa_2Cu_3O_{7-\delta}$ 385
– of $Nd_{2-x}Ce_xCuO_{4-\delta}$ 469
– of $Y_{1-x}Cd_xBa_2Cu_3O_{7-\delta}$ 287
– of $YBa_2Cu_3O_7$ sintered pellets 364
– of $YBa_2Cu_3O_x$ 419
– of $YBa_2Cu_4O_8$ 335, 415
Magnetization, high-field
– of $YBa_2Cu_3O_{6.34}$ 139
Magnetization relaxation
– in $PbMo_6S_8$ 233
– in $TmBa_2Cu_3O_x$ 62
Magnetoresistance
– of $YBa_2Cu_3O_{7-\delta}$ 279
Meissner effect
– in $Bi_2Nd_{0.5}Ca_{2.5}Cu_2O_y$ 67
– in $Bi_2Pr_{0.5}Ca_{2.5}Cu_2O_y$ 67
– in $Bi_2Sr_2CaCu_2O_x$ films 241
– in $Bi_{2-2x}Pb_{2x}Sr_2Ca_{n-1}Cu_nO_y$ 25
– in Bi compounds 135
– in halogenated $YBa_2Cu_3O_6$ 107

– in $In_{0.3}Pb_{0.7}Ca_{0.8}Y_{0.2}Sr_2Cu_2O_y$ 111
– in $Nd_{2-x}Ce_xCuO_{4-\delta}$ 469
– in $Tl_2Ba_2CuO_{6\pm\delta}$ 377
– in Tl compounds 115
Microwave absorption
– in La_2CuO_4 77
– in type-I superconductors 491
Mixed state 449
Modulated structures
– in $Bi_{2-x+y}Pb_xSr_{2-y}Cu_{1+y/4}O_x$ 189
Morphology
– of $YBa_2Cu_3O_{7-\delta}$ 279
Mössbauer spectroscopy
– of $YBa_2(Cu_{1-x}Fe_x)_3O_y$ 404
– of doped $Nd_{1.85}Ce_{0.15}CuO_{4-\delta}$ 247
Multilayers 173

Neutron diffraction
– in Nd_2CuO_4 131
– in $Pb_2Sr_2YCu_3O_{8+\delta}$ 499
– in $YBa_2Cu_3O_{7-\delta}$ 298
– in $YBa_2Cu_3O_x$ 419
Neutron scattering (inelastic)
– in $Nd_{2-x}Ce_xCuO_4$ 17
NMR
– in $Tl_2Ba_2CuO_6$ 485
– in $Tl_2Ca_2Ba_2CuO_{10}$ 485
– in $Tl_2CaBa_2Cu_2O_8$ 485
– spin–lattice relaxation 8
NQR
– in $YBa_2Cu_3O_{6.95}$ 475

Optical reflectivity
– of Bi compounds 152
O–T transition
– in $Y_{1-x}Ca_xBa_2Cu_3O_y$ 437
Oxygen content 166
Oxygen stoichiometry 166
– effect on Cu valence 139
– effect on T_c of electron-doped oxides 147
– effect on thermoelectric power 205
– in $Bi_2Sr_2CaCu_2O_x$ films 241
– in $Bi_2Sr_2CuO_{6+\delta}$ 305
– in Bi compounds 135
– in $Tl_2Ba_2CuO_{6\pm\delta}$ 377
– in $Y_{1-x}Ca_xBa_2Cu_3O_y$ 437
– in $YBa_2Cu_3O_x$ 419
– in $YBa_2Cu_{3-x}Sn_xO_{7-\delta}$ 166

Penetration depth, effective
– in granular superconductor 364
Phase diagram 449
– of $YBa_2(Cu_{1-x}Fe_x)_3O_y$ 404
– of Bi compounds 305
– of $LaNd_{1-x}Ce_xCuO_4$ 13
– of $Nd_{2-x}Ce_xCuO_4$ 13
– of $NdCeCuO_4$ 265
– of $Y_{1-x}Cd_xBa_2Cu_3O_{7-\delta}$ 287
Phase transition
– in $YBa_2Cu_3O_x$ 44
Phonon spectrum
– of $YBa_2(Cu_{1-x}Zn_x)_3O_{7-\delta}$ 328
– of Zn 325
Pinning energy 371
Pinning force
– in $Bi_4Ca_2Sr_4Cu_4O_{16+y}$ 315
Polaronic superconductor 97
Pseudogap
– in $YBa_2Cu_3O_{7-\delta}$ 8

Quantum oscillations 491

Raman scattering
– in $YBa_2(Cu_{1-x}Co_x)_3O_{7-\delta}$ 125
– theory 444

Shapiro step 258
Single-crystal growth
– of $Nd_{2-x}Ce_xCuO_4$ 265
– of $PbMo_6S_8$ 233
– of Tl compounds 115
– of $YBa_2Cu_3O_{7-\delta}$ 298
Specific heat
– of $EuBa_2Cu_3O_{7-\delta}$ 385
– of $(Bi,Pb,Sb)_2Sr_2Ca_2Cu_3O_{10}$ 340
Specific heat, at T_c
– of $EuBa_2Cu_3O_{7-\delta}$ 385
– of Bi compounds 29
– of Tl compounds 29
– theory 35
Spin–lattice relaxation time T_1
– in $Tl_2Ba_2CuO_6$ 485
– in $Tl_2Ca_2Ba_2CuO_{10}$ 485
– in $Tl_2CaBa_2Cu_2O_8$ 485
– in $YBa_2Cu_3O_{6.95}$ 475
Spin polarons 97
Spin-reorientation transition
– in La_2CuO_4 77
Structural phase transition 308
– in $Tl_2Ba_2CuO_{6\pm\delta}$ 377
– in $YBa_2(Cu_{1-x}Co_x)_3O_{7-\delta}$ 125
Structure
– of halogenated $YBa_2Cu_3O_6$ 107
– of $Bi_{1.9}Pb_{0.35}Ca_2Sr_2Cu_3O_{10+\delta}$ 293
– of $Bi_2CaSr_2Cu_2O_{8+\delta}$ 293
– of $Bi_2Nd_{0.5}Ca_{2.5}Cu_2O_y$ 67
– of Bi compounds 170, 189
– of doped $Nd_{1.85}Ce_{0.15}CuO_{4-\delta}$ 247
– of $ErBa_2Cu_4O_8$ 391
– of $La_xNd_{1.85-x}Ce_{0.15}CuO_{4-y}$ 147
– of $Pb_2Sr_2YCU_{2.2}Ni_{0.8}O_8$ 499
– of Tl compounds 115, 347
– of $Y_{1-x}Cd_xBa_2Cu_3O_{7-\delta}$ 287
– of $YBa_2(Cu_{1-x}Ti_x)_3O_{7-\delta}$ 434
– of $YBa_2Cu_{3-x}Sn_xO_{7-\delta}$ 166
– of $YBa_2Cu_4O_8$ 335, 391, 415
Structure stability 357
Substitution effects
– in $Bi_2Sr_2CaCu_2O_{8+\delta}$ 55
– of Ni in $Pb_2Sr_2YCu_3O_{8+\delta}$ 499
Substitution effects of Ca
– in $LnBa_2Cu_4O_8$ 391
Substitution effects of Cd
– in Bi compounds 170
Substitution effects of Ce
– in Gd_2CuO_4 13
– in $LaGdCuO_4$ 13
– in $LaNdCuO_4$ 13
– in Nd_2CuO_4 13
Substitution effects of Ce and Th
– in $Nd_2CuO_{4-\delta}$ 469
Substitution effects of Co
– in $YBa_2Cu_3O_{7-\delta}$ 125
Substitution effects of Fe
– in $YBa_2Cu_3O_y$ 404
Substitution effects of In
– in $Tl_xPb_{1-x}Ca_{1-y}Y_ySr_2Cu_2O_z$ 111
Substitution effects of La
– in $Tl_2Ba_2CuO_6$ 321
Substitution effects of Pb
– in $Bi_{2+y}Sr_{2-y}Cu_{1+y/4}O_x$ 189
– in $Bi_2Sr_2Ca_{n-1}Cu_nO_y$ 25
– in Bi compounds 161
Substitution effects of rare earths
– in $Bi_2La_yCa_{3-y}Cu_2O_2$ 143
Substitution effects of Ti
– in $YBa_2Cu_3O_{7-\delta}$ 434
Substitution effects of Y or Nd
– in $Bi_2Sr_2CaCu_2O_{8+x}$ 152
Substitution effects of Zn
– in $YBa_2Cu_3O_{7-\delta}$ 328
Substitution effects of Zn, Ga and Ni
– in $Nd_{1.65}Ce0.15CuO_{4-\delta}$ 247
Surface phase transition 308
Synthesis
– of Bi compounds 67, 143, 170
– of $ErBa_2Cu_4O_8$ 391
– of Ln_2CuO_4 357
– of $Ln_{2-x}Ce_xCuO_{4-\delta}$ 251
– of Tl compounds 347
– of $YBa_2Cu_3O_{7-\delta}$ 279
– of $YBa_2Cu_4O_8$ 335, 391, 415

TEM
– of Bi compounds 189
Thermal cycling
– in Bi compounds 135
Thermal expansion
– of (Bi,Pb)CaSrCuO 293
Thermoelectric power
– of Bi compounds 183
– of $Nd(Ba_{1-x}Nd_x)_2Cu_3O_{7+\delta}$ 221
– of Tl compounds 183

– of $YBa_2Cu_3O_x$ 44, 205
Thin films 212, 241, 371
Tunneling 91
– theory 444
Twin boundaries elimination
– in $TmBa_2Cu_3O_x$ 62
Type II superconductors 241

Upper critical field H_{c2}
– of $Ln_{2-x}Ce_xCuO_{4-\delta}$ 251
– of $Nb/Nb_{0.5}Zr_{0.5}$ multilayers 173
– of $YBa_2Cu_3O_7$ 199

Weak links
– in $YBa_2Cu_4O_8$ 415
Weak–strong coupling cross-over 71
Weathering 270

XPS
– of $LnBa_2Cu_3O_{7-\delta}$ 270